

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A hybridization method comprising:  
simultaneously hybridizing multiple specimens using a microarray, wherein said microarray is formed by:  
arranging, on a glass slide, a plurality of hydrophilic regions, and  
wherein forming a hydrophobic region ~~is formed~~ around the arranged plurality of hydrophilic regions on the glass slide,  
~~spotting and immobilizing wherein~~ a plurality of different probe biopolymers are ~~spotted and immobilized~~ to each of the plurality of hydrophilic regions, ~~[[and]] wherein no probe biopolymer is immobilized to the hydrophobic region,~~  
wherein said hybridization step further comprises:  
contacting a solution comprising a sample biopolymer with at least one of the hydrophilic regions on the glass slide, wherein the sample biopolymer solution is not in contact with the hydrophobic region;  
placing the glass slide into a vessel comprising a solution having the same vapor pressure as the solution comprising the sample biopolymer, wherein the vessel solution is not in contact with the solution comprising the sample biopolymer;  
closing the vessel; and  
hybridizing the sample biopolymer and the probe biopolymer  
~~hybridizing a sample biopolymer and the probe biopolymers in a closed vessel containing a solution having the same vapor pressure as a solution containing the sample biopolymer,~~  
~~wherein the solution containing the sample biopolymer is in contact with the hydrophilic regions on the glass slide.~~

2.-3. (Canceled)

4. (Withdrawn) A hybridization microarray to be applied to the hybridization according to claim 1, formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

5. (Withdrawn) A hybridization kit to be applied to the hybridization according to claim 1, comprising: a microarray formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions; and a closed vessel having an internal space capable of storing said microarray.

6. (Previously Presented) The hybridization method of claim 1, wherein a volume of solution in the closed vessel is at least five times the quantity of the solution comprising the sample biopolymer.

7. (Previously Presented) The hybridization method of claim 1, wherein the sample biopolymer is selected from the group consisting of DNA, RNA, peptide and protein.

8. (Previously Presented) The hybridization method of claim 1, wherein the probe biopolymer is selected from the group consisting of DNA, RNA, peptide and protein.

9. (New) The hybridization method of claim 1, wherein the contacting step further comprises:

contacting a solution comprising a first type of sample biopolymer with at least one of the hydrophilic regions on the glass slide; and

contacting a solution comprising a second type of sample biopolymer with at least one of the other hydrophilic regions on the glass slide.